

Percentage Change Past Paper Questions



Q1.

(a) Write 35 out of 65 as a fraction.
Give your fraction in its simplest form.

.....
(2)

(b) Work out £1.25 as a percentage of £8

..... %
(2)

(Total for question = 4 marks)

Q2.

Riddington and Greenwick are two small villages.

The population of Riddington has increased from 80 people to 120 people.

The population of Greenwick has decreased from 200 people to 120 people.

Show that Riddington has had the greater percentage change in its population.

You must show all your working.

(Total for question = 3 marks)



Q3.

A bonus of £2100 is shared by 10 people who work for a company.
40% of the bonus is shared equally between 3 managers.
The rest of the bonus is shared equally between 7 salesmen.

One of the salesmen says,

"If the bonus is shared equally between all 10 people I will get 25% more money."

Is the salesman correct?

You must show how you get your answer.

(Total for question = 5 marks)

Q4.

Franco buys a house for £146 500

He sells the house for £158 220

Calculate the percentage profit Franco makes.

..... %

(Total for question = 3 marks)



Q5.

Robin buys a watch for £80
He sells the watch for £56
Work out his percentage loss.

..... %

(Total for question = 3 marks)

Q6.

Emily buys a pack of 12 bottles of water.
The pack costs £5.64
Emily sells all 12 bottles for 50p each.
Work out Emily's percentage profit.
Give your answer correct to 1 decimal place.

..... %

(Total for question = 3 marks)

Q7.



Last year Jo paid £245 for her car insurance.
This year she has to pay £883 for her car insurance.

Work out the percentage increase in the cost of her car insurance.

..... %

(Total for question = 3 marks)

Q8.

The table shows information about the numbers of Year 10 students absent from Ellen's school last week.

	Monday	Tuesday	Wednesday	Thursday	Friday
Number of students	12	6	7	10	13

(a) Work out the mean number of Year 10 students absent each day.

.....
(2)

Ellen's school has a total of 240 Year 10 students.

(b) What percentage of Year 10 students were absent on Monday?

..... %
(2)

(Total for question = 4 marks)

Q9.



A and B are two companies.

The table shows some information about the sales of each company and the number of workers for each company in 2004 and in 2014

	Company A		Company B	
	Sales (£ millions)	Number of workers	Sales (£ millions)	Number of workers
2004	320	2960	48	605
2014	388	3200	57	640

(a) Work out the percentage increase in sales from 2004 to 2014 for Company A.

..... %
(2)

(b) Which company had the most sales per worker in 2014, Company A or Company B?
You must show how you get your answer.

(3)

(Total for question = 5 marks)